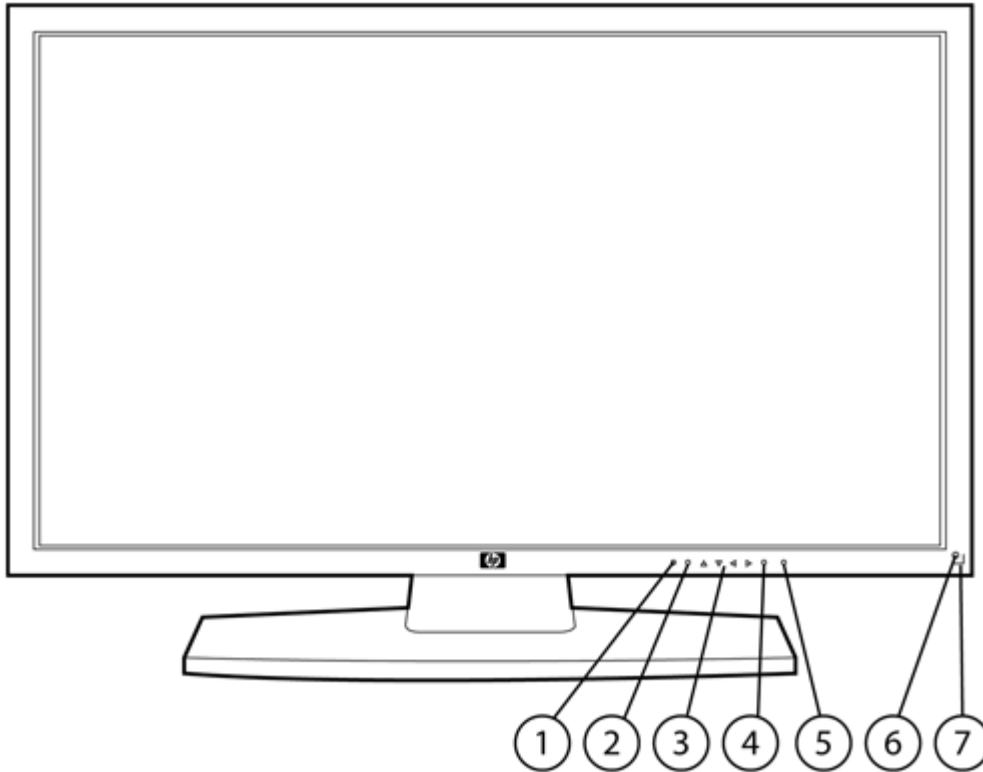


Overview



1. Source: Toggles between video inputs:
 - AV - Composite Video, S-Video
 - Component1 – HDTV, DVD
 - Component2 – HDTV, DVD
 - RGB PC – VGA or 15-pin D-Sub analog signal
 - HDMI/DVI -- Digital signal
2. Menu: Opens or closes the OSD (On-screen Display) menu screen.
3. OSD select/adjust buttons: Selects an OSD menu icon or adjusts the settings in the OSD screen.
 - ▼▲ Adjusts up and down
 - ◀▶ Adjusts the volume
4. Auto/Set: When OSD window is closed, activates the auto adjustment feature to optimize the screen image. When OSD window is open, press to select a menu item or save changes.
5. Power: Press to turn on the power. Press again to turn it off.
6. IR receiver: Receives signals from the remote control.
7. Power indicator: Lights up blue when the display operates normally (on mode). If the display is in sleep (Energy Saving) mode, the indicator color changes to amber.

Model

NH322AA#ABA, NH322A8#ABA (Smart Buy)



Technical Specifications

Panel	Type	42-inch diagonal (106.7-cm) Wide-Aspect Active Matrix TFT (thin film transistor)
	Viewable Image Area	106.7 cm (42 in) widescreen; diagonally measured
	Screen Opening (W x H)	93.9 x 53.1 cm (36.97 x 20.91 in)
	Viewing Angle (typical)	Up to 178° horizontal/178° vertical (10:1 minimum contrast ratio)
	Brightness (typical)*	500 nits (cd/m ²)
	Contrast Ratio (typical)*	1000:1, Dynamic contrast ratio: 3000:1
	Response Time (typical)*	9 ms
	Pixel Pitch	0.4845mm square
	Color Gamut	(72% color gamut)
*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.		
On Screen Display (OSD) Controls	Buttons or Switches	Source, menu, auto/set, power
	Languages	English, French, Spanish
	User Controls	Source selection, picture modes, tile modes, color temperature, aspect ratio, audio modes, auto volume, on/off time, key lock, ISM method, auto config, clock, phase
Signal Interface/ Performance	Horizontal Frequency	30 to 83 kHz
	Vertical Frequency	56 – 76 Hz (Analog). 56 – 61 Hz (Digital)
	Native Resolution	1920 x 1080 @ 60 Hz (Analog/Digital) (FHD)
	Max Resolution	1920 x 1080 @ 60 Hz (Digital)
		1920 x 1080 @ 60 Hz (Analog)
	Preset VESA Graphic Modes (non-interlaced)	1920 x 1080 @ 60 Hz
		1600 x 1200 @ 60 Hz
		1680 x 1050 @ 60Hz
		1280 x 1024 @ 60 Hz, 75 Hz
		1366 x 768 @ 60 Hz
		1360 x 768 @ 60 Hz
		1280 x 768 @ 60 Hz
		1280 x 720 @ 60 Hz
		1024 x 768 @ 60 Hz, 75 Hz
		800 x 600 @ 60 Hz and 75 Hz
640 x 480 @ 60 Hz and 75 Hz		
640 x 350 @ 70 Hz		
Text Mode	720 x 400 @ 70 Hz	
Mac Mode	832 x 624 @ 75 Hz	
Maximum Pixel Clock Speed	170 MHz	
User Programmable Modes	Yes, 10	
Anti-Glare	Yes	



Technical Specifications

	Anti-Static	Yes		
	Default Color Temperature	11000K		
Video/Other Inputs	Plug and Play	Yes		
	Input Signal	VGA, HDMI, component (2), composite (1), and S-video inputs (1). VGA out for Tiling.		
	Input Impedance	75 ohms \pm 10%		
	Sync Input	TTL separate synch		
	RS232	1 input and 1 output		
Power	VGA Cable Length	1.8 m (5.9 ft)		
	Input Power	Auto-Sensing, 100 to 240 VAC		
	Frequency	50/60 Hz		
	Typical Power Consumption	220 W		
	Maximum	240 W		
	Power Saving	4 W (HDMI) and 1 W (VGA)		
Mechanical	Power Cable Length	1.9 m (6.2 ft)		
	Dimensions (H x W x D)	Unpacked w/stand /spkr	67.6 x 99.56 x 29.3 cm (26.6 x 39.2 x 11.5 in)	
		Unpacked w/o stand (head only)	58.76 x 99.56 x 11.39 cm (23.1 x 39.2 x 4.5 in)	
		Packaged	66.0 x 112 x 28.5 cm (26.0 x 44.1 x 11.2 in)	
	Weight	Unpacked w/stand	24.5 kg (54.0 lb)	
		Unpacked w/o stand (head only)	21.2 kg (46.7 lb)	
		Packaged (head only)	25.2 kg (55.6 lb)	
	Tilt Range	None		
	Swivel Range	None		
	Height Adjustable	None		
	Pivot Rotation	None		
	Base	Sold separately		
Mechanical (Stand option)	Dimensions (H x W x D)	Unpacked	21.4 x 67.0 x 30.3 cm (8.4 x 26.4 x 11.9 in)	
		Packaged	30 x 84.2 x 39.7 cm (11.8 x 33.1 x 15.6 in)	
	Weight	Unpacked	4 kg (8.8 lb)	
		Packaged	6 kg (13.2 lb)	
Environmental	Temperature ~ Operating	5° to 35° C (41° to 95° F)		
	Temperature ~ Non-operating	-20° to 60° C (-29° to 140° F)		
	Humidity ~ Operating	10% to 80% non-condensing		



Technical Specifications

	Humidity ~ Non-operating	5% to 95%, 38.7° C max wet-bulb			
	Altitude ~ Operating	0~4570 M (0~15,000 ft)			
	Altitude ~ Non-operating	0~12,192 M (0~40,000 ft)			
Environmental Data	Eco-Label Certifications and Declarations	This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:			
		<ul style="list-style-type: none"> ● IT ECO declaration 			
	Energy Consumption (in accordance with ENERGY STAR® test method)	AC Input Voltage at 100 VAC +/- 5 VAC, 50 Hz +/- 3 Hz	AC Input Voltage at 115 VAC +/- 5 VAC, 60 Hz +/- 3 Hz	AC Input Voltage at 230 VAC +/- 5 VAC, 50 Hz +/- 3 Hz	
		Normal Operation	220 W	220 W	220 W
		Sleep	1 W	1 W	1 W
		Off	1 W	1 W	1 W
	Heat Dissipation*	AC Input Voltage at 100 VAC +/- 5 VAC, 50 Hz +/- 3 Hz	AC Input Voltage at 115 VAC +/- 5 VAC, 60 Hz +/- 3 Hz	AC Input Voltage at 230 VAC +/- 5 VAC, 50 Hz +/- 3 Hz	
		Normal Operation	752 BTU/hr	752 BTU/hr	752 BTU/hr
		Sleep	3 BTU/hr	3 BTU/hr	3 BTU/hr
		Off	3 BTU/hr	3 BTU/hr	3 BTU/hr
	* Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.				
	Additional Information	This product is in compliance with the Restrictions of Hazardous Substances (RoHS) Directive, 2002/95/EC.			
		This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive, 2002/96/EC.			
		This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).			
		Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.			
		Display meets the requirement for low frequency electromagnetic fields per TCO and prEN50279 A/B/C.			
		This product contains 0% recycled materials (by wt.)			
		This product is 98% recyclable when properly disposed of at end of life.			
	Packaging Materials				
		<ul style="list-style-type: none"> ● External: <ul style="list-style-type: none"> ○ Paper – 2839 g ○ Polyethylene – 125 g ● Internal: 			



Technical Specifications

RoHS Compliance	<ul style="list-style-type: none">○ EPS (Expanded Polystyrene) – 510 g <p>Hewlett-Packard is committed to compliance with all applicable environmental laws and regulations, including the European Union Restriction of Hazardous Substances (RoHS) Directive. HP's goal is to exceed compliance obligations by meeting the requirements of the RoHS Directive on a worldwide basis. By July 1, 2006, RoHS substances will be virtually eliminated (virtually = to levels below legal limits) for all HP electronic products subject to the RoHS Directive, except where it is widely recognized that there is no technically feasible alternative (as indicated by an exemption under the EU RoHS Directive).</p>
Material Usage	<p>This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html)</p> <ul style="list-style-type: none">● Asbestos● Certain Azo Colorants● Certain Brominated Flame Retardants – may not be used as flame retardants in plastics● Cadmium● Chlorinated Hydrocarbons● Chlorinated Paraffins● Formaldehyde● Halogenated Diphenyl Methanes● Lead carbonates and sulfates● Lead and Lead compounds● Mercuric Oxide Batteries● Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user.● Ozone Depleting Substances● Polybrominated Biphenyls (PBBs)● Polybrominated Biphenyl Ethers (PBBEs)● Polybrominated Biphenyl Oxides (PBBOs)● Polychlorinated Biphenyl (PCB)● Polychlorinated Terphenyls (PCT)● Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.● Radioactive Substances● Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)
Packaging	<p>HP follows these guidelines to decrease the environmental impact of product packaging:</p> <ul style="list-style-type: none">● Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.● Eliminate the use of ozone-depleting substances (ODS) in packaging materials.● Design packaging materials for ease of disassembly.● Maximize the use of post-consumer recycled content materials in packaging materials.● Use readily recyclable packaging materials such as paper and corrugated materials.



Technical Specifications

- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: www.hp.com/recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: <http://www.hp.com/go/recyclers>. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

Hewlett-Packard Corporate Environmental Information

For more information about HP's commitment to the environment: Global Citizenship Report www.hp.com/hpinfo/globalcitizenship/gcreport/index.html
Eco-label certifications www.hp.com/hpinfo/globalcitizenship/environmentproductdesign/ecolabels.html
ISO 14001 certificates: www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html

Options

Speakers—Part number: NK352AA

Add a full range of sound (10 watts each) with these rear-facing audio amplifier and speakers that discreetly attach to the rear of the display.

Stand—Part Number NK353AA

This durable stand attaches to bottom of display, for positioning the unit as part of a desktop-based PC or workstation solution.

HP Business PC Security Lock Kit—Part number PV606AA

Attaches to the rear of the PC with a six-foot steel cable that can be used to secure a PC or peripherals such as mice, keyboards, monitors or USB security devices to protect them against unauthorized removal by physically connecting the system to an anchor point.

Other

Accessories Included

Remote control, VGA cable, Power cable

User Guide Languages

English, French, LA Spanish

Warranty Languages

English, French, LA Spanish

Color

Black

VESA External Mounting

Yes, 600 x 400 mm 4 hole pattern

Security Lock-Ready

Yes, one security slot available

Certification and Compliance

UL UL60950-1 First Edition, cUL CAN/CSA-C22.2 NO. 60950-1-03, NOM NYCE, TUV EN60950-1, PSE J60065 (H14), J55013 (H14), CCC GB4943, GB9254, GB17625.1, PSB IEC60950-1, TUV-S (Argentina) IEC60950-1, BSMI CNS13438, CNS14336, FCC CLASS B FCC 47 CFR Part 15 Class B, ICES-003 Class B, ICES-003 Class B, CE EN55022B, EN55024, EN61000-3-2, 3, VCCI VCCI-V-2 V-3 V-4, CISPR-22B, C-Tick AS/NZS3548:1995, KCC (Korean) Requirements, Korea Energy Boy, SmartWay - NA only - Energy logistics, EUP Lot 6 Tier 1, China Energy Label (CEL).

Compatibility

Compatible with platforms using the VESA standard video modes. Recommended for use with HP products.



Technical Specifications

Service and Warranty Protected by HP, including a 3 years parts, 3 years labor, and 3 years onsite service (3/3/3) standard limited warranty. Certain restrictions and exclusions apply.

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